Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Manual	Date:	06/08/2017 11:43 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	Cytometer Baseline:	04/21/2017 12:22 PM
		P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123844	-1	2.54	123710	2.51
Blue	F	SSC	125000	123444	-2	2.71	123847	2.58
Blue	E	FITC	23355	22556	-4	2.39	1002	10.20
Blue	D	PE	28848	28300	-2	1.93	1020	9.83
Blue	B	PerCP-Cy5-5	47791	46689	-3	3.29	1341	17.16
Blue	A	PE-Cy7	41358	40905	-2	4.90	632	35.74
Red	C	APC	51316	50596	-2	2.67	2940	9.43
Red	A	APC-Cy7	53225	52515	-2	2.68	1087	11.33
Violet	B	V450	14473	13874	-5	3.61	671	8.96
Violet	A	V500	59973	58713	-3	3.31	2612	6.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16223	8.96	604	6	N/A	N/A	Pass
Blue	F	SSC	60835	1.58	541	7	N/A	N/A	Pass
Blue	E	FITC	116	38.75	543	-1	0.0213	217	Pass
Blue	D	PE	225	28.78	538	0	0.1568	232	Pass
Blue	B	PerCP-Cy5-5	210	44.76	629	-1	0.0097	63	Pass
Blue	A	PE-Cy7	70	120.29	681	0	0.0117	18	Pass
Red	C	APC	342	27.46	592	-2	0.0201	52	Pass
Red	A	APC-Cy7	118	40.30	573	-3	0.0053	1398	Pass
Violet	B	V450	82	42.57	476	5	0.0439	1921	Pass
Violet	A	V500	192	21.89	508	7	0.0135	142	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.03	-31.35	0.81
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.41	13.27 - 19.91	N/A	N/A	31.40	32.06	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9923

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments